

**basic document elements**

<b>&lt;HTML&gt;</b> all document text <b>&lt;/HTML&gt;</b>	marks start & end of an HTML document
<b>&lt;HEAD&gt;</b> heading area <b>&lt;/HEAD&gt;</b>	marks start & end of section for document information
<b>&lt;BODY&gt;</b> formatted document <b>&lt;/BODY&gt;</b>	marks start & end of formatted document content text
options: <b>BACKGROUND</b> =“URL”	Netscape™ allows you to load a background image
<b>BGCOLOR</b> =value	Netscape™ allows you to set a background color value="#FFFFFF" for white background where #RRGGBB are hex values for red, green & blue
<b>&lt;TITLE&gt;</b> document title <b>&lt;/TITLE&gt;</b>	title of document displayed on browser's titlebar
<b>&lt;!--</b> text of your comment <b>--&gt;</b>	included within source document but never displayed

**document format elements**

<b>&lt;P&gt;</b> text of your paragraph <b>&lt;/P&gt;</b>	paragraph break; separates blocks of text with double line breaks
options <b>ALIGN</b> = LEFT, CENTER, or RIGHT	specifies text alignment in paragraph
<b>&lt;BR&gt;</b>	line break, forces a new line at this point in the text
<b>&lt;HR&gt;</b>	horizontal rule; also adds line break

**simple HTML document template**

```
<HTML><HEAD><TITLE>This is the page title </TITLE>
</HEAD><BODY BGCOLOR=#FFFFFF>
<H1>This is a section heading</H1>
<P>This is the text of the body of the page and contains other HTML formatting elements and
hypertext references and images</P>
<HR><ADDRESS> your name, address, credit, and contact information</ADDRESS>
</BODY></HTML>
```

**section heading elements**

<b>&lt;Hn ALIGN=center&gt;</b> heading text <b>&lt;/Hn&gt;</b>	HTML allows six levels of headings;  n = 1 to 6      Level 1 is largest font size & bold text, Level 6 is smallest & bold text No forced hierarchy, levels can be in any order
<b>ALIGN</b> = LEFT, CENTER, or RIGHT (optional)	
examples: <b>&lt;H1&gt;</b> Heading Level 1 - usually a large font size and bold text <b>&lt;/H1&gt;</b>	
<b>&lt;H4 ALIGN= CENTER&gt;</b> Heading Level 4 - centered, normal font size and bold text <b>&lt;/H4&gt;</b>	
<b>&lt;H6&gt;</b> Heading Level 6 - usually smallest font size and bold text <b>&lt;/H6&gt;</b>	

**text formatting elements**

<b>&lt;B&gt;</b> text <b>&lt;/B&gt;</b>	bold text
<b>&lt;I&gt;</b> text <b>&lt;/I&gt;</b>	italicized text
<b>&lt;U&gt;</b> text <b>&lt;/U&gt;</b>	underlined text, ignored in some browsers (e.g. Netscape™)
<b>&lt;TT&gt;</b> text <b>&lt;/TT&gt;</b>	typewriter text, usually a fixed width font such as courier
<b>&lt;PRE WIDTH=width&gt;</b> preformatted text <b>&lt;/PRE&gt;</b>	usually in fixed width font such as courier
<b>&lt;ADDRESS&gt;</b> address information <b>&lt;/ADDRESS&gt;</b>	address information, authorship, usually italicized
<b>&lt;CENTER&gt;</b> centered text <b>&lt;/CENTER&gt;</b>	only operative in Netscape™ browser
<b>&lt;BLOCKQUOTE&gt;</b> quotations <b>&lt;/BLOCKQUOTE&gt;</b>	quoted text, usually indented
<b>&lt;EM&gt;</b> emphasized text <b>&lt;/EM&gt;</b>	emphasized text, usually italicized
<b>&lt;STRONG&gt;</b> stronger emphasized <b>&lt;/STRONG&gt;</b>	stronger emphasized text, usually bold
<b>&lt;CODE&gt;</b> computer code <b>&lt;/CODE&gt;</b>	usually fixed-width font
<b>&lt;CITE&gt;</b> citation <b>&lt;/CITE&gt;</b>	typically italicized
<b>&lt;SAMP&gt;</b> literal characters <b>&lt;/SAMP&gt;</b>	often plain text & fixed-width font
<b>&lt;KBD&gt;</b> keyboard text <b>&lt;/KBD&gt;</b>	usually bold, fixed width
<b>&lt;VAR&gt;</b> variable name <b>&lt;/VAR&gt;</b>	usually italicized
<b>&lt;DFN&gt;</b> definition text <b>&lt;/DFN&gt;</b>	often bold and italicized

### list elements

Standard lists are formatted as: `<list_tagname>`  
`<LI>` list item 1  
`<LI>` list item 2  
`</list_tagname>`

`<list_tagname>` are: `<OL>` List items    `</OL>` for ordered (numbered) lists  
`<UL>` List items    `</UL>` for unordered (bullets) lists  
`<DIR>` List items    `</DIR>` for directory lists  
`<MENU>` List items    `</MENU>` for menu lists

Definition list is formatted as: `<DL>`  
`<DT>` term definition for item 1  
`<DD>` term description for item 1  
`<DT>` term definition for item 2  
`<DD>` term description for item 2  
`</DL>`

Where: `<DL>` complete list content    `</DL>` for the complete definition list  
`<DT>` for defining "the term" (usually a single line)  
`<DD>` for defining "the definition" (may be multiple lines)  
 usually is indented from `<DL>` & `<DT>` elements

### image element

Image format is: `<IMG SRC="graphicsfilename.gif" ALT="test image" ALIGN=top>`  
 options are: `SRC` = graphics filename (must)  
`ALT` = alternative text instead of image (optional)  
`ALIGN` = align neighboring text with image; values are `TOP`, `MIDDLE`, or `BOTTOM` (optional)  
 only Netscape™ includes `RIGHT` or `LEFT` to wrap text  
 inline graphics images must be GIF, JPEG, X-bitmaps, or X-pixelmaps

### Uniform Resource Locator (URL)

URL format is: `protocol :// server [: port ] resource`  
 where: `protocol` = resource protocol, e.g. file, http, ftp, gopher, news, telnet, wais, mailto  
`server` = www.address.gov but may be an IP address such as 128.165.112.216  
`port` = TCP port number, usually defaulted to well known ports, e.g. 80  
`resource` = path to the location of the file, e.g. /path/subdir/file.ext  
 examples: `http://www.address.gov:1234/rootdirectory/subdir/file.extension`  
`http://education.lanl.gov/`

### hypertext anchor element

`<A HREF="URL#value"> hypertext string </A>` create a link to another hypertext resource  
 value is link name within file at URL; hypertext link string may contain `<IMG>` element  
`<A HREF="#link_name"> hypertext string </A>` create a link to link location named as "link\_name"  
`<A NAME=link_name> hypertext link </A>` defines a link location name within a document  
 examples: `<A NAME=section1> hypertext link </A>` to define link location "section1" by name  
`<A HREF="#section1"> hypertext link </A>` to create a link to named "section1"

### table elements

Tables are formatted as: `<TABLE BORDER> table contents </TABLE>` for table definition  
 optional: `BORDER=n` Turns on border around table; `n`=line weight of border  
`<TR>` table row contents `</TR>` for table row  
`<TH>` table header contents `</TH>` for table header field  
`<TD>` table cell contents `</TD>` for table data field  
 options: These elements have several options for specifying alignment, span, width and other parameters